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**Troyer**

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(54) **CERAMIC WEAR TILE AND METHOD OF USING SAME**

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(71) Applicant: **CerCo LLC**, Shreve, OH (US)

(58) **Field of Classification Search**

(72) Inventor: **Gary C. Troyer**, Shreve, OH (US)

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(73) Assignee: **CERCO LLC**, Shreve, OH (US)

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USPC ..... 501/145, 153; 428/220, 697, 702; 209/552, 576, 580

See application file for complete search history.

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(56) **References Cited**

(65) **Prior Publication Data**

U.S. PATENT DOCUMENTS

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**Related U.S. Application Data**

*Primary Examiner* — Jeffrey Shapiro

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(74) *Attorney, Agent, or Firm* — Matthew T. Waters; Rankin, Hill & Clark LLP

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(57) **ABSTRACT**

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(52) **U.S. Cl.**

CPC ..... **B07C 5/3425** (2013.01); **C04B 35/10** (2013.01); **F27B 9/20** (2013.01); **C04B 2235/3217** (2013.01); **C04B 2235/3232** (2013.01); **C04B 2235/3241** (2013.01); **C04B 2235/3267** (2013.01); **C04B 2235/3272**

The present subject matter provides colored wear tiles for use in optical sorting apparatuses and related methods that separate an associated material into a desired product and an undesired product. The colored wear tiles have a color and/or lightness value that permeates the entire body of the wear tile and sufficiently differs from the color and/or lightness of the associated material in order to allow the colored wear tile, or portions or pieces thereof, that may mix with the associated material, to be separated from the desired product by the sorting apparatus.

**26 Claims, 2 Drawing Sheets**

